

Title (en)
ELECTRICALLY SWITCHABLE COMPOSITE FILMS

Title (de)
ELEKTRISCH SCHALTBARE VERBUNDFOLIEN

Title (fr)
FEUILLES MULTICOUCHES ELECTRIQUEMENT COMMUTABLES

Publication
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Application
EP 00943554 A 20000505

Priority
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Abstract (en)
[origin: WO0077570A1] The invention relates to composite films with electrically switchable properties. Said composite films consist of an illumination unit, two control electrodes and a microcompartment film with cavities containing both electrophoretically mobile particles in a suspension liquid and electrorheologically effective additives. The cavities in the microcompartment film are arranged regularly and have a conical or tapered downward extension. The ratio of visible surface of the cavities to their base surface is greater than 1.5. The invention also relates to a method for producing the electrophoretic display. The composite films can be used e.g. for display panels, flat screens or computer displays or for producing window panes, coverings, greenhouse roofs, packaging, textiles, spectacles, headlight coverings, windscreens, signals or sunscreen devices.

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IPC 8 full level
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